

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022020\
 Data File : BN009801.D
 Acq On : 21 Feb 2020 04:33
 Operator : CG/JU
 Sample : L1482-02 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TP7-EP2-2

Manual Integrations
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Quant Time: Feb 21 10:39:27 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Feb 19 15:57:43 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1830	0.40	ng	-0.02
7) Naphthalene-d8	10.15	136	6551	0.40	ng	-0.03
13) Acenaphthene-d10	14.04	164	6134	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	7890	0.40	ng	-0.02
27) Chrysene-d12	21.02	240	7764	0.40	ng	-0.02
34) Perylene-d12	23.11	264	10694	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.07	112	141	0.03	ng	-0.02
5) Phenol-d6	6.62	99	158	0.03	ng	-0.02
8) Nitrobenzene-d5	8.55	82	172	0.03	ng	-0.04
11) 2-Methylnaphthalene-d10	11.74	152	274	0.02	ng	-0.04
14) 2,4,6-Tribromophenol	15.55	330	55	0.02	ng	-0.03
15) 2-Fluorobiphenyl	12.65	172	641	0.03	ng	-0.03
25) Fluoranthene-d10	18.84	212	630m	0.02	ng	-0.02
29) Terphenyl-d14	19.45	244	4467	0.24	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	3407596	190.717	ng	93
12) 2-Methylnaphthalene	11.82	142	967188	78.952	ng	97
16) Acenaphthylene	13.75	152	493421	18.870	ng	# 97
17) Acenaphthene	14.10	154	87858	4.778	ng	95
18) Fluorene	15.09	166	637909	26.290	ng	98
23) Phenanthrene	16.84	178	3338605	142.178	ng	99
24) Anthracene	16.92	178	692940	34.910	ng	# 96
26) Fluoranthene	18.87	202	1970412	70.081	ng	98
28) Pyrene	19.24	202	2248991	76.284	ng	97
30) Benzo(a)anthracene	20.99	228	1035007	40.171	ng	97
31) Chrysene	21.05	228	932693	31.290	ng	98
33) Indeno(1,2,3-cd)pyrene	25.16	276	424431	13.673	ng	99
35) Benzo(b)fluoranthene	22.50	252	882046	22.562	ng	# 86
36) Benzo(k)fluoranthene	22.54	252	279222m	6.560	ng	
37) Benzo(a)pyrene	23.03	252	855161	23.973	ng	# 80
38) Dibenzo(a,h)anthracene	25.16	278	128317	3.653	ng	97
39) Benzo(a,h,i)perylene	25.78	276	448903	11.998	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

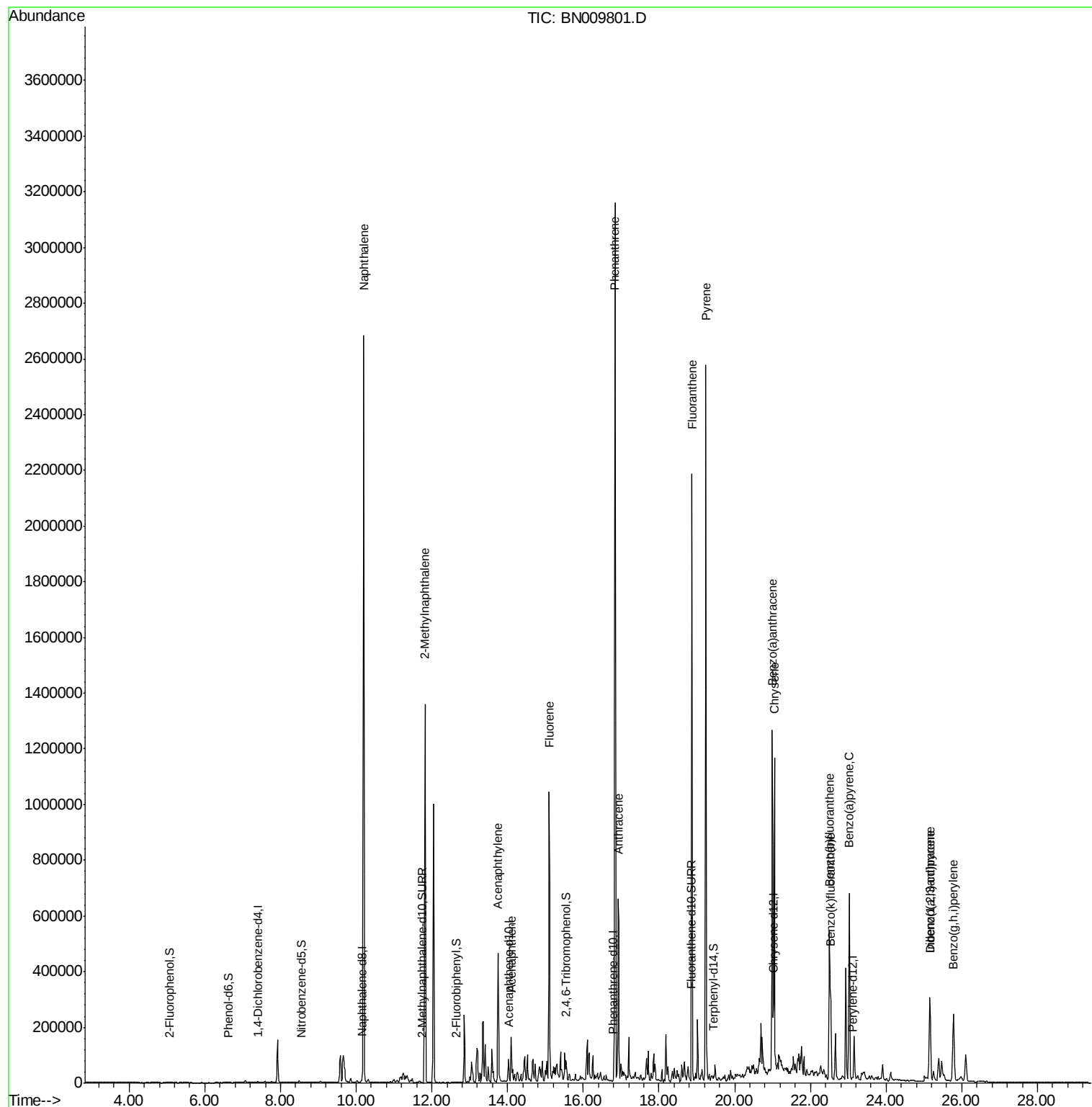
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022020\
Data File : BN009801.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

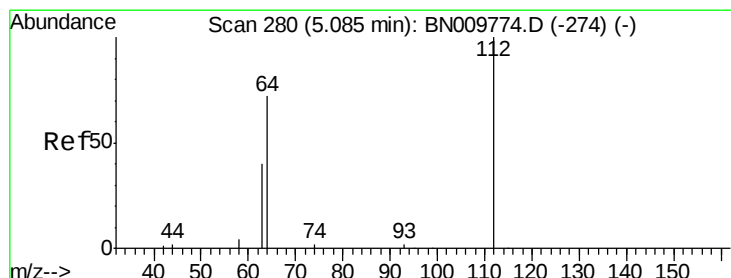
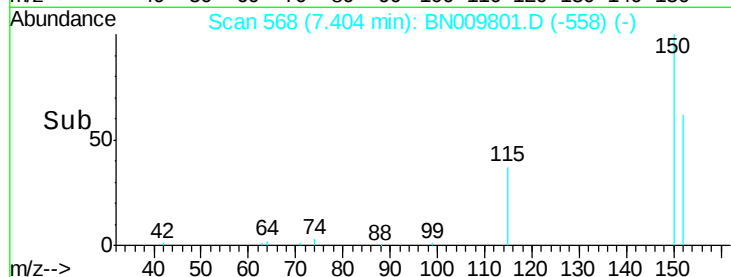
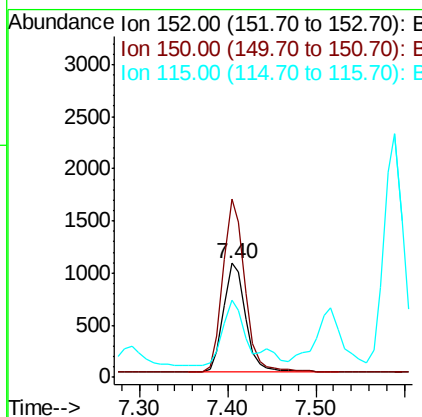
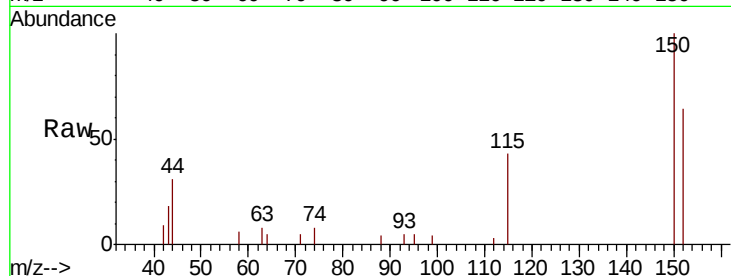
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Instrument :
BNA_N
ClientSampled :
TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	120.6	181.0
115	68.0	51.2	76.8

Manual Integrations
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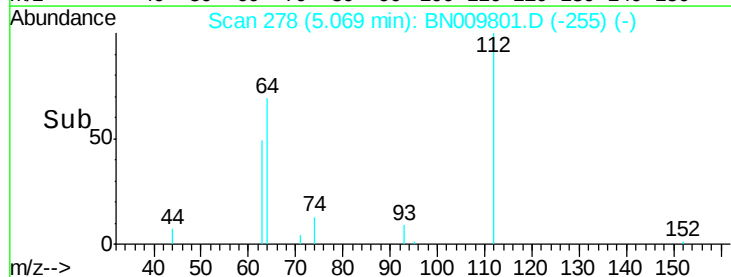
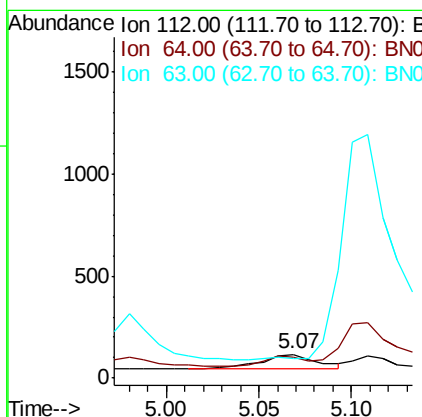
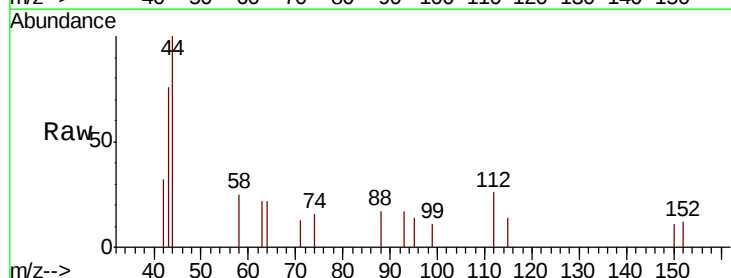
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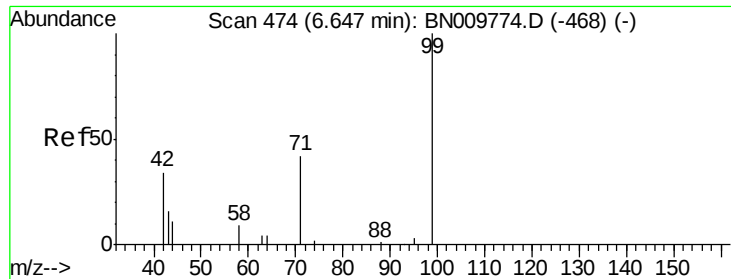


#4

2-Fluorophenol
Concen: 0.035 ng
RT: 5.07 min Scan# 278
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	65.8	98.6#
63	0.0	38.7	58.1#





#5

Phenol-d6

Concen: 0.032 ng

RT: 6.62 min Scan# 471

Delta R.T. -0.02 min

Lab File: BN009801.D

Acq: 21 Feb 2020 04:33

Instrument :

BNA_N

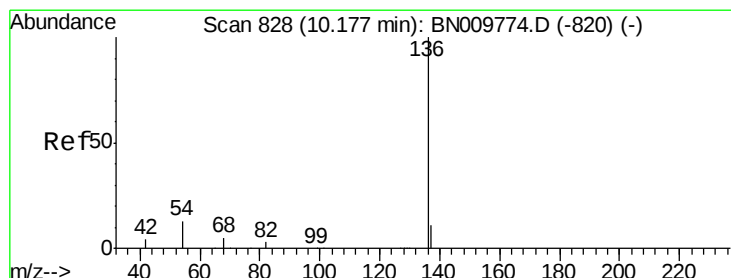
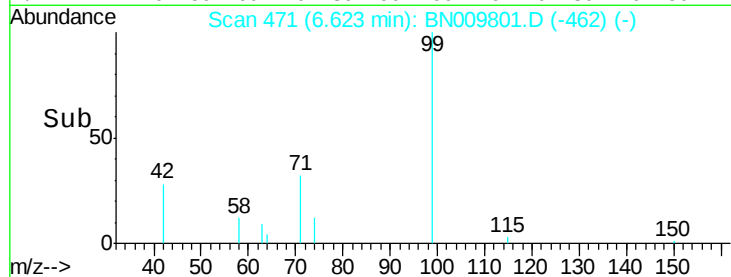
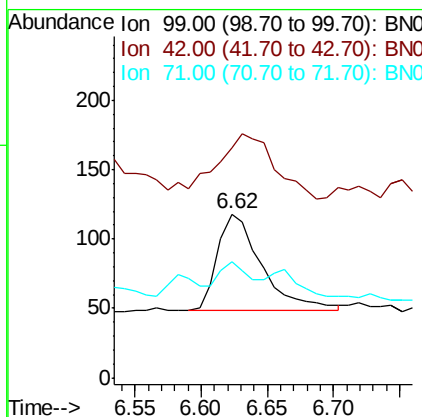
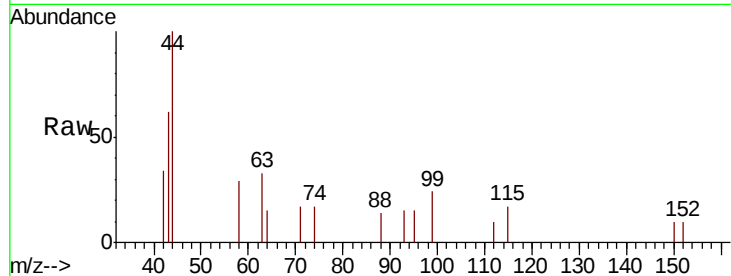
ClientSampleId :

TP7-EP2-2

Tot Ion:	99	Resp:	158
Ion	Ratio	Lower	Upper
99	100		
42	93.0	30.8	46.2#
71	22.2	34.9	52.3#

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

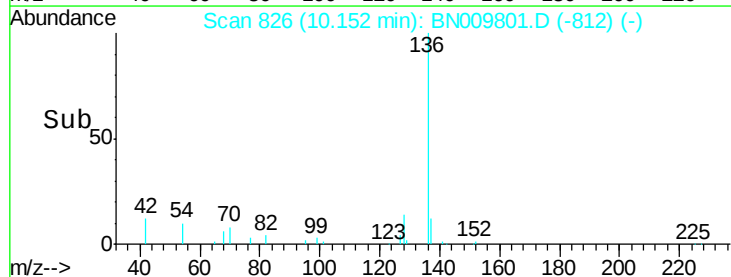
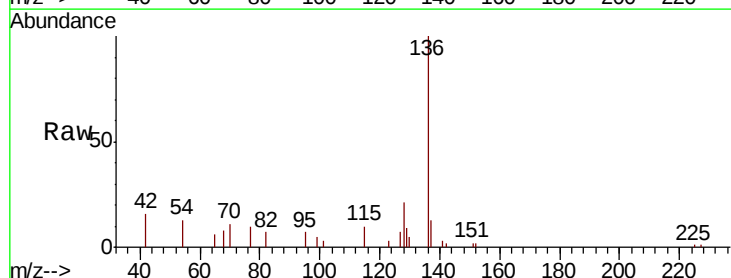
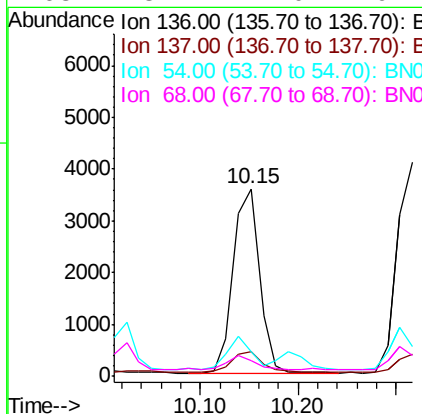
RT: 10.15 min Scan# 826

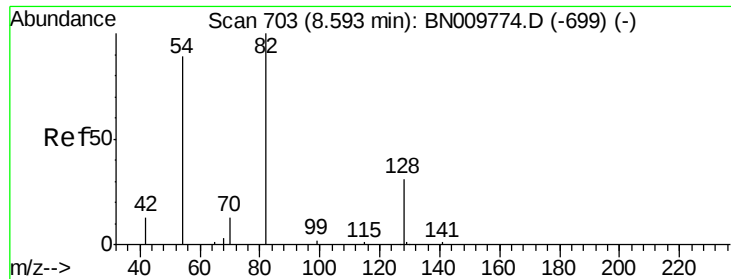
Delta R.T. -0.03 min

Lab File: BN009801.D

Acq: 21 Feb 2020 04:33

Tgt Ion:	136	Resp:	6551
Ion	Ratio	Lower	Upper
136	100		
137	13.2	11.3	16.9
54	12.8	13.4	20.2#
68	8.4	7.0	10.4





#8

Nitrobenzene-d5

Concen: 0.032 ng

RT: 8.55 min Scan# 700

Delta R.T. -0.04 min

Lab File: BN009801.D

Acq: 21 Feb 2020 04:33

Instrument :

BNA_N

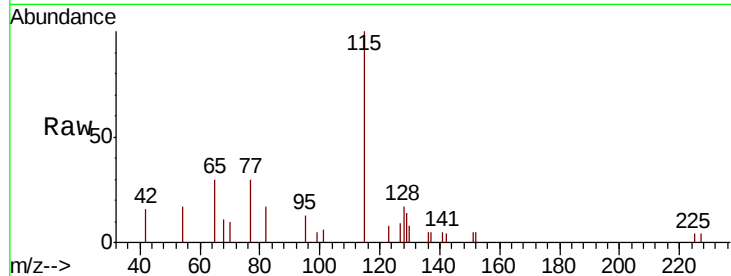
ClientSampleId :

TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	103.2	32.5	48.7#
54	101.6	73.5	110.3

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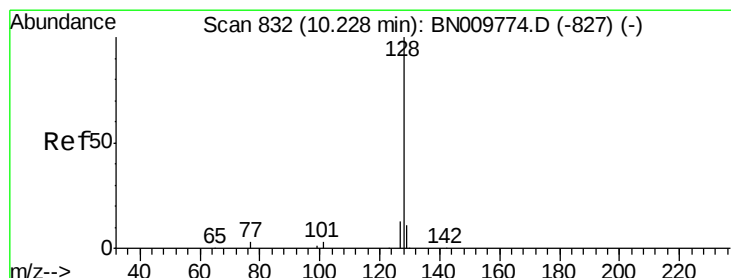
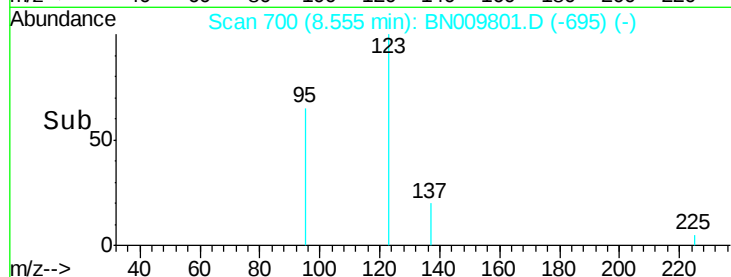
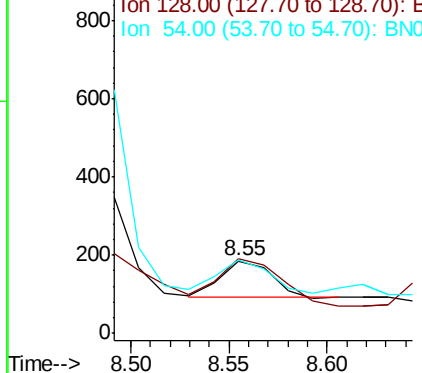
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Abundance Ion 82.00 (81.70 to 82.70): BN009801.D (-695) (-)

Ion 128.00 (127.70 to 128.70): BN009801.D (-695) (-)

Ion 54.00 (53.70 to 54.70): BN009801.D (-695) (-)



#9

Naphthalene

Concen: 190.717 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.03 min

Lab File: BN009801.D

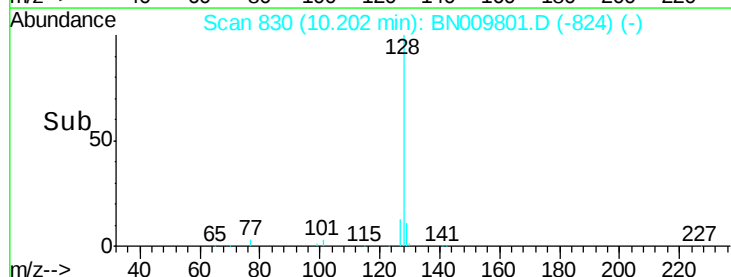
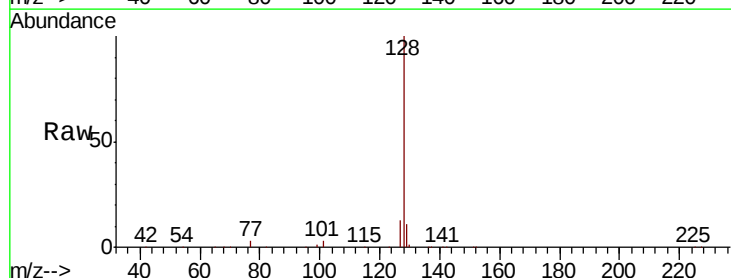
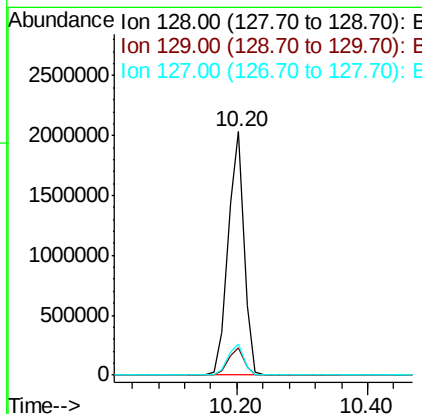
Acq: 21 Feb 2020 04:33

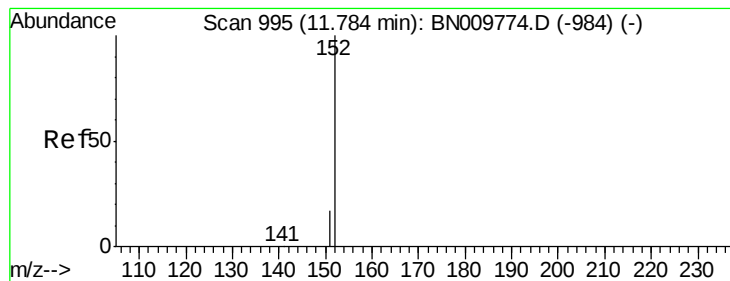
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	11.1	16.7
127	12.8	12.6	19.0

Abundance Ion 128.00 (127.70 to 128.70): BN009801.D (-824) (-)

Ion 129.00 (128.70 to 129.70): BN009801.D (-824) (-)

Ion 127.00 (126.70 to 127.70): BN009801.D (-824) (-)





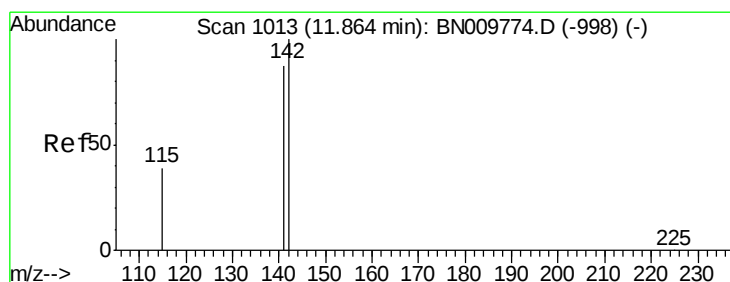
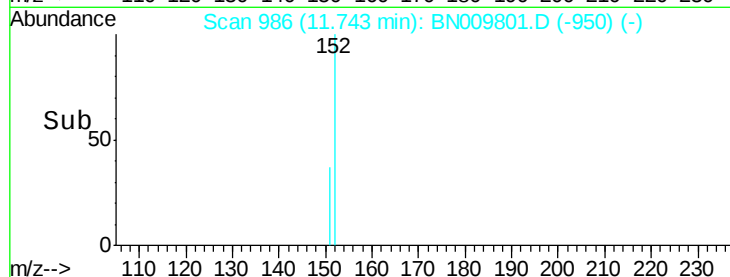
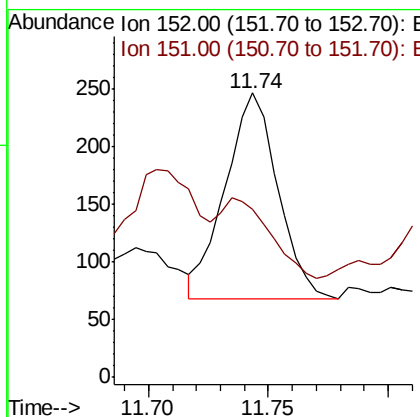
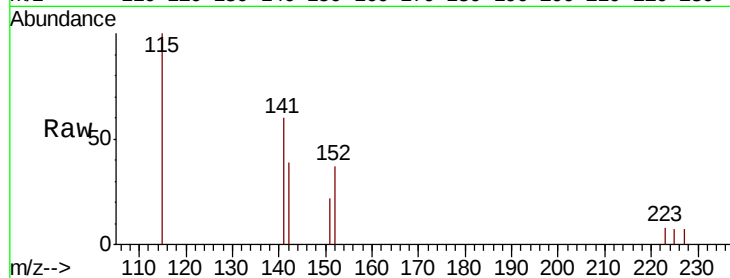
#11
2-Methylnaphthalene-d10
Concen: 0.022 ng
RT: 11.74 min Scan# 986
Delta R.T. -0.04 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Instrument :
BNA_N
ClientSampleId :
TP7-EP2-2

Tot Ion:152 Resp: 274
Ion Ratio Lower Upper
152 100
151 37.6 15.1 22.7#

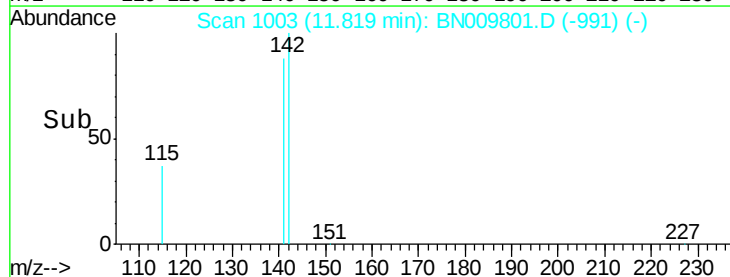
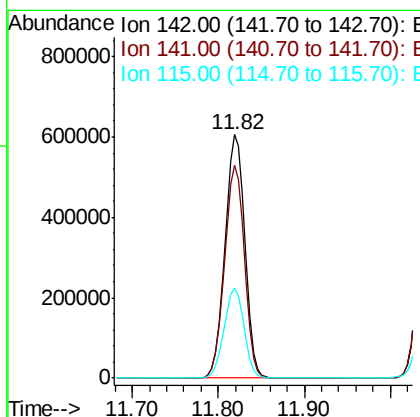
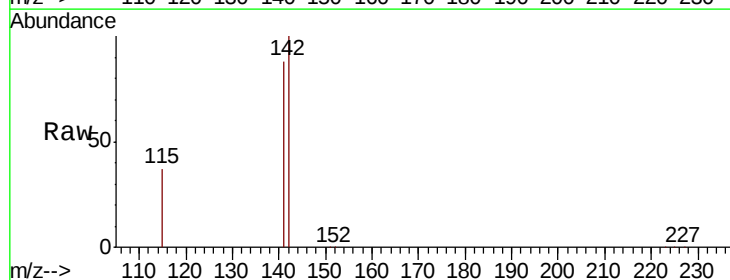
Manual Integrations
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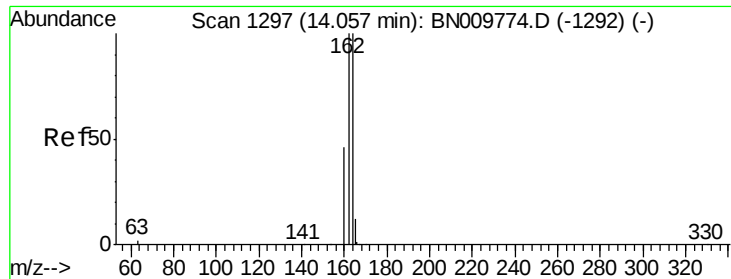
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#12
2-Methylnaphthalene
Concen: 78.952 ng
RT: 11.82 min Scan# 1003
Delta R.T. -0.04 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tgt Ion:142 Resp: 967188
Ion Ratio Lower Upper
142 100
141 87.6 69.8 104.6
115 37.1 34.6 52.0





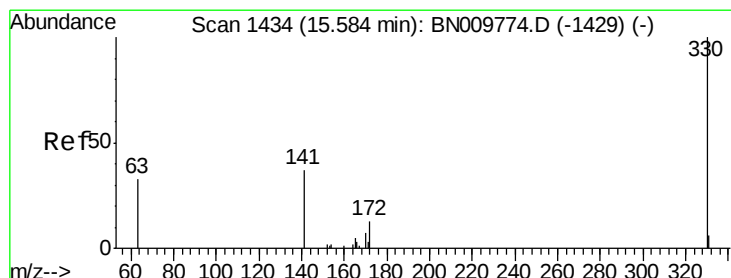
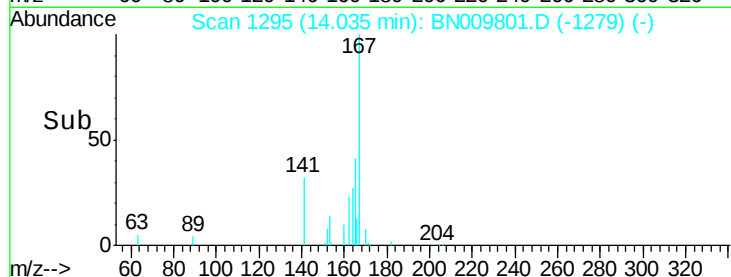
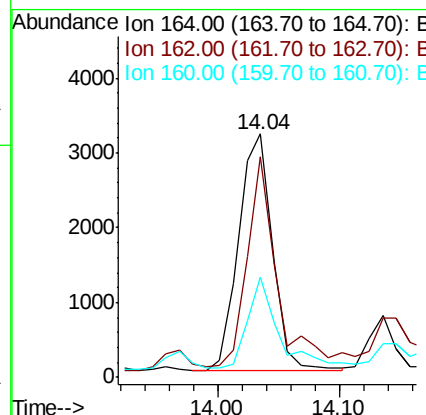
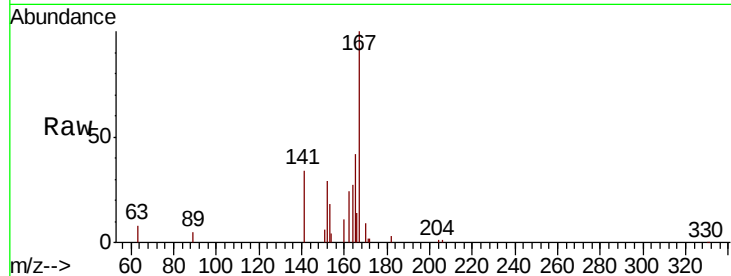
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Instrument :
BNA_N
ClientSampleId :
TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	90.4	79.9	119.9
160	41.0	38.2	57.2

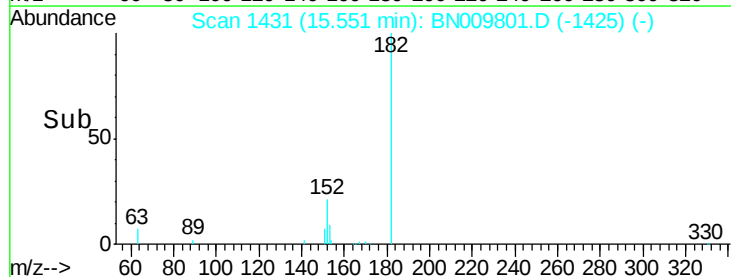
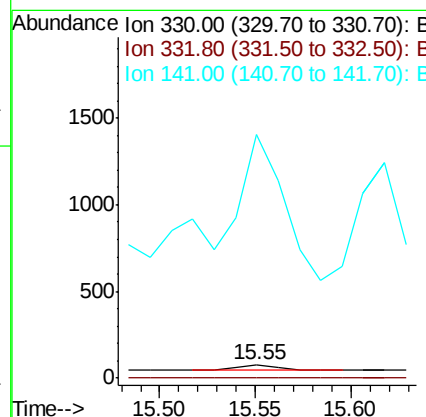
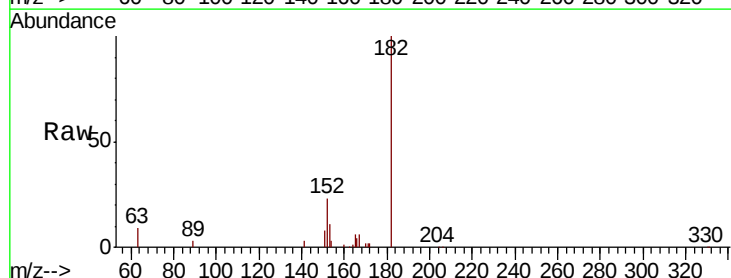
Manual Integrations
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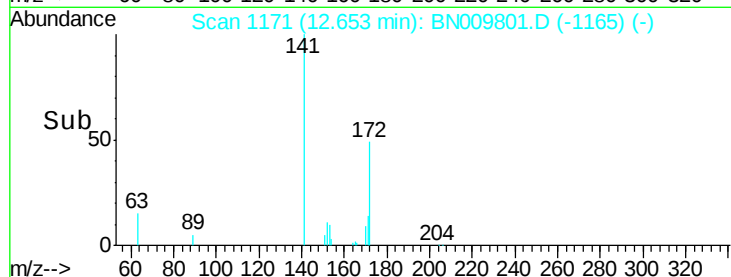
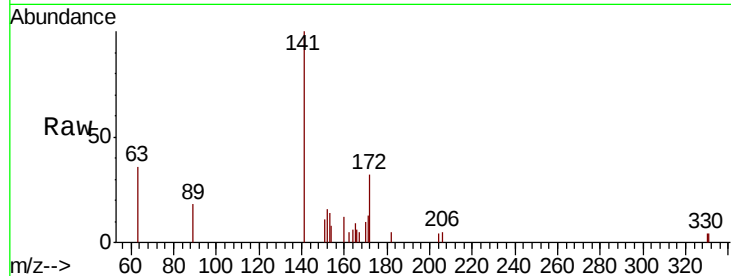
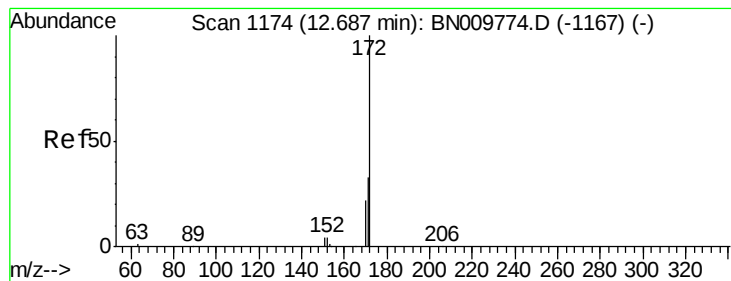
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#14
2,4,6-Tribromophenol
Concen: 0.023 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.03 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	3370.9	36.8	55.2#





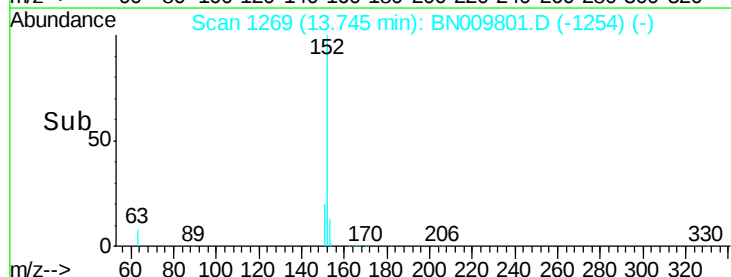
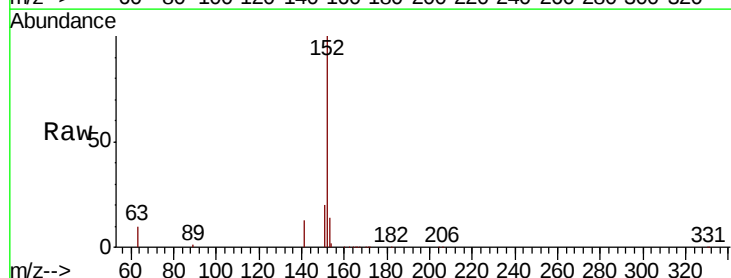
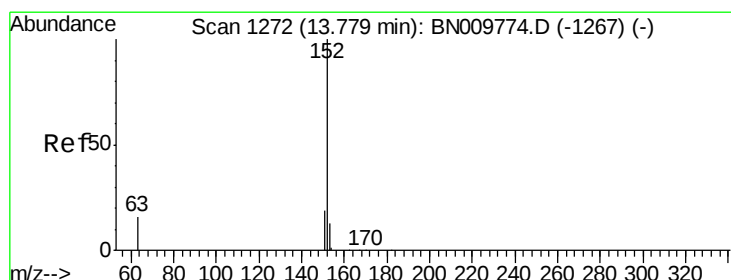
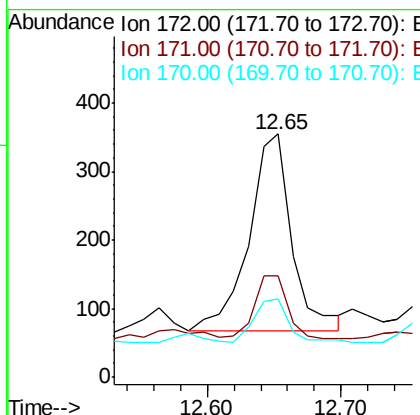
#15
2-Fluorobiphenyl
Concen: 0.028 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tot Ion	Ratio	Lower	Upper
172	100		
171	41.7	28.7	43.1
170	32.1	20.1	30.1

Instrument :
BNA_N
ClientSampleId :
TP7-EP2-2

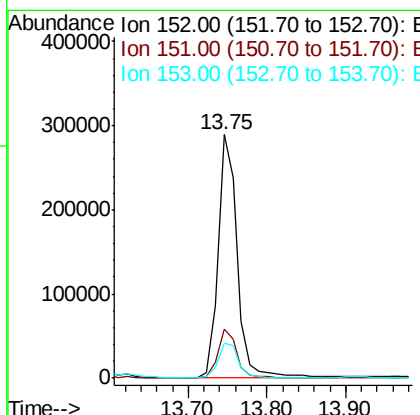
Manual Integrations
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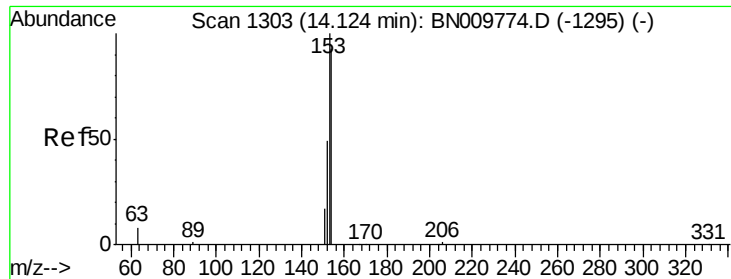
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#16
Acenaphthylene
Concen: 18.870 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	15.5	10.2	15.4





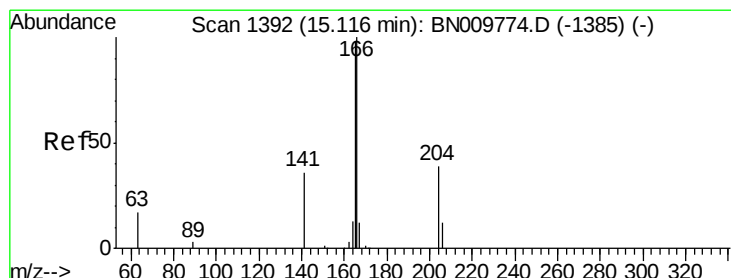
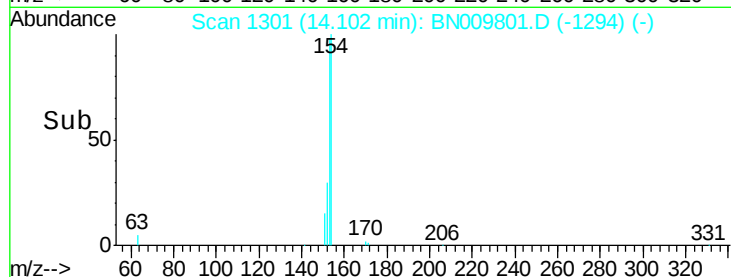
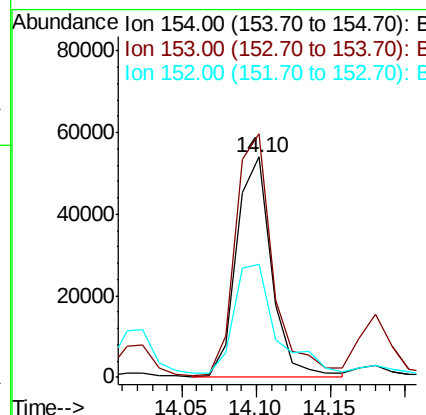
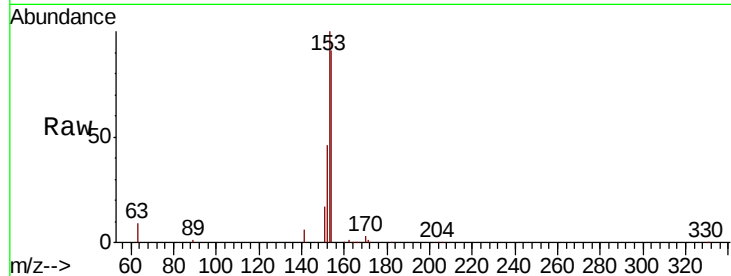
#17
Acenaphthene
Concen: 4.778 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Instrument :
BNA_N
ClientSampleId :
TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.7	88.9	133.3
152	58.8	44.2	66.2

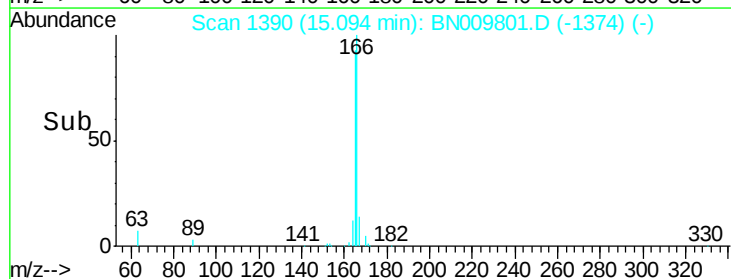
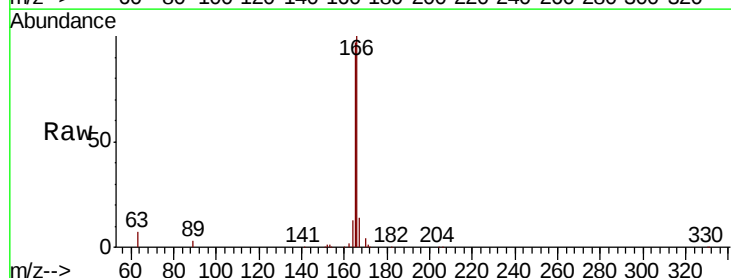
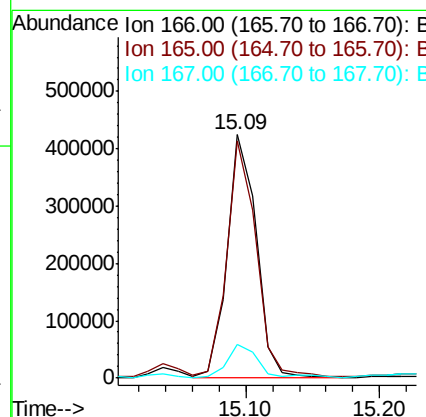
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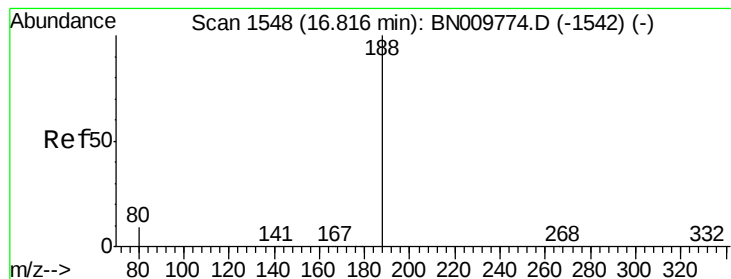
mohammad
2/21/2020 2:20:01 PM



#18
Fluorene
Concen: 26.290 ng
RT: 15.09 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.2	115.8
167	15.1	10.5	15.7





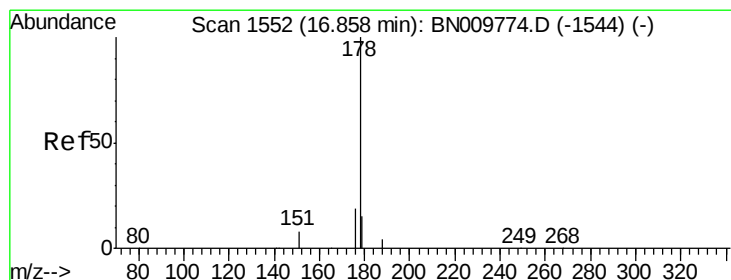
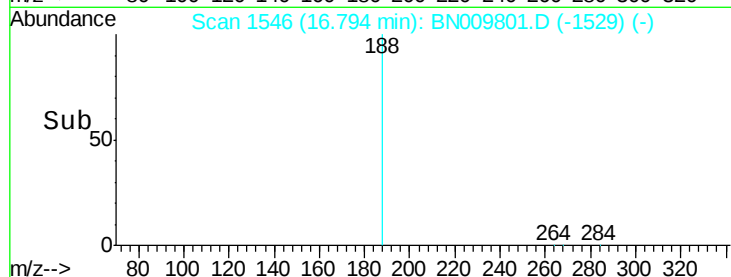
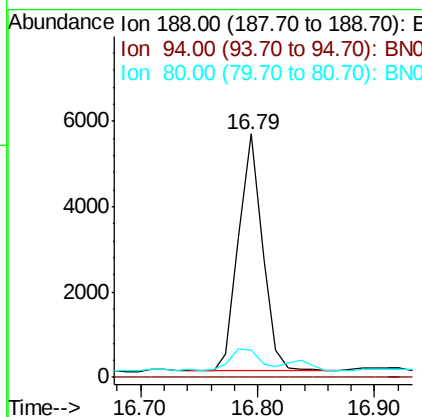
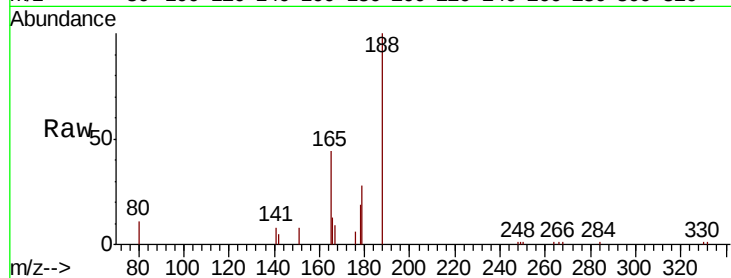
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Instrument :
BNA_N
ClientSampleId :
TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	8.3	12.5

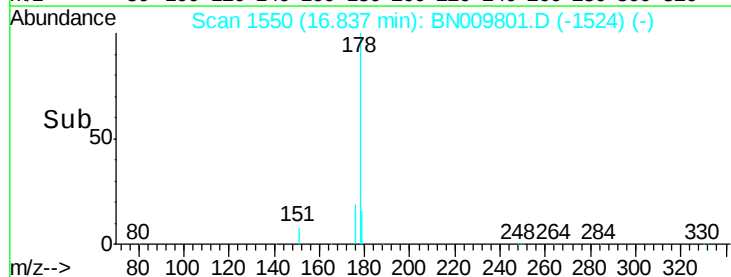
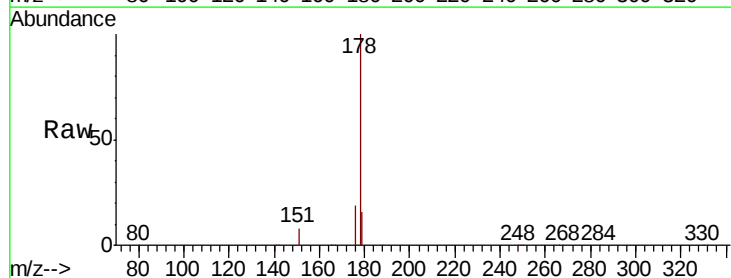
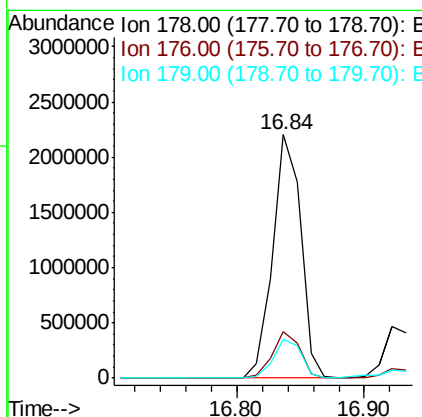
Manual Integrations
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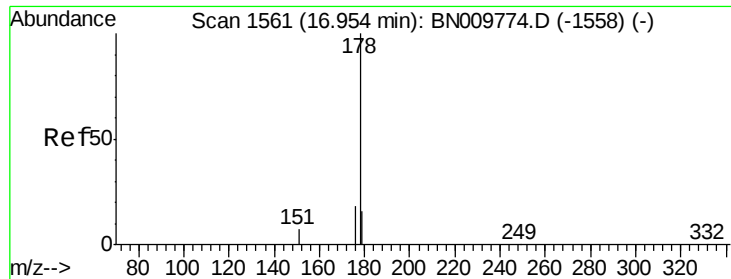
mohammad
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#23
Phenanthrene
Concen: 142.178 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.9	12.4	18.6





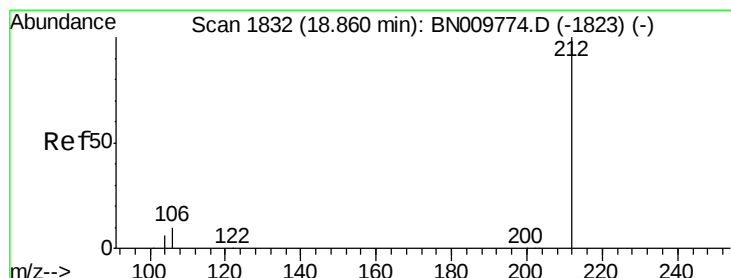
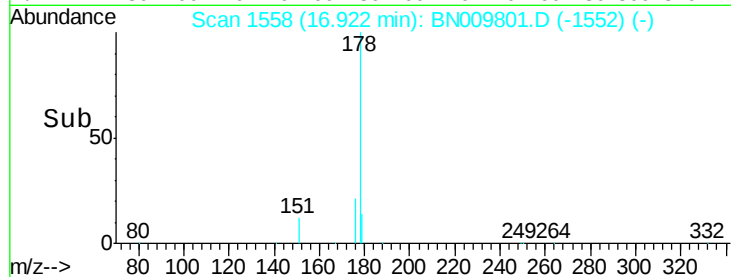
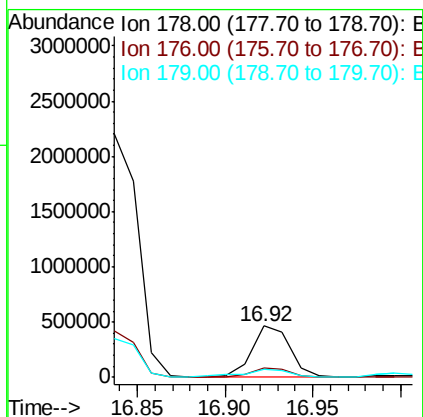
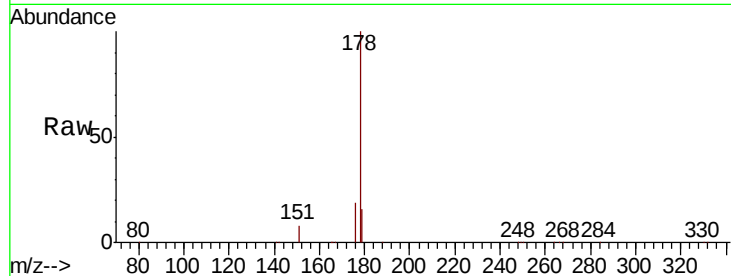
#24
 Anthracene
 Concen: 34.910 ng
 RT: 16.92 min Scan# 1558
 Delta R.T. -0.03 min
 Lab File: BN009801.D
 Acq: 21 Feb 2020 04:33

Instrument :
 BNA_N
 ClientSampled :
 TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.3	21.5
179	18.9	12.4	18.6

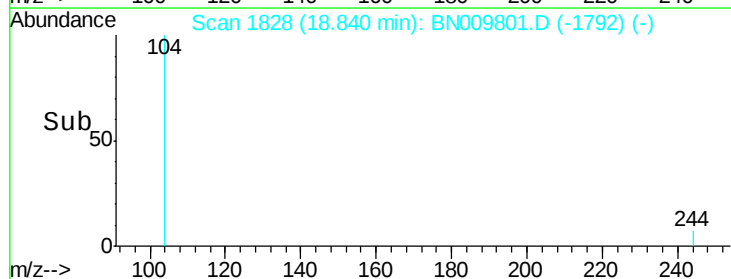
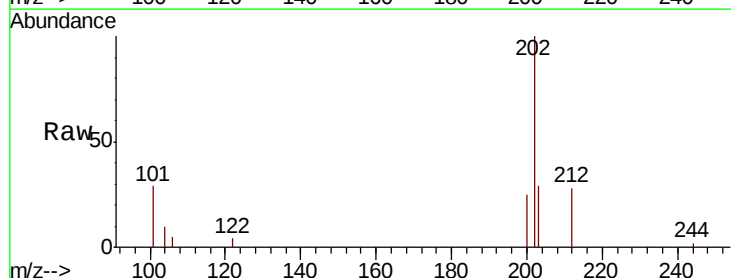
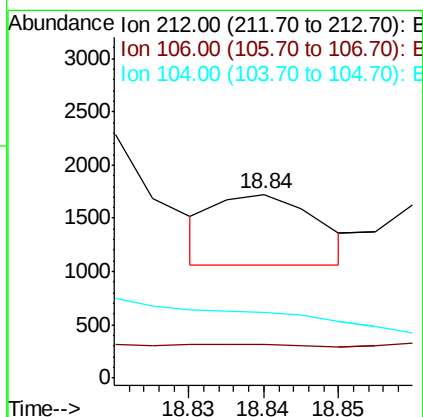
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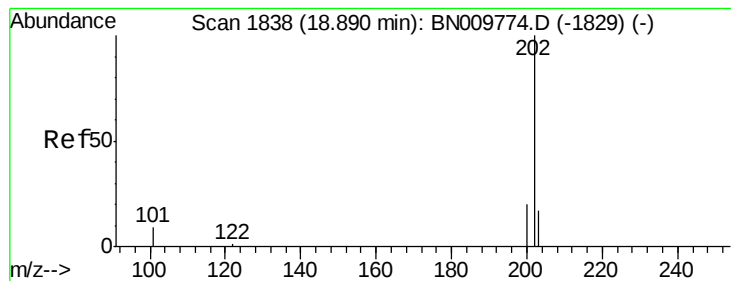
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.023 ng m
 RT: 18.84 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BN009801.D
 Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
212	100		
106	56.7	8.4	12.6
104	0.0	4.8	7.2





#26

Fluoranthene

Concen: 70.081 ng

RT: 18.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BN009801.D

Acq: 21 Feb 2020 04:33

Instrument :

BNA_N

ClientSampleId :

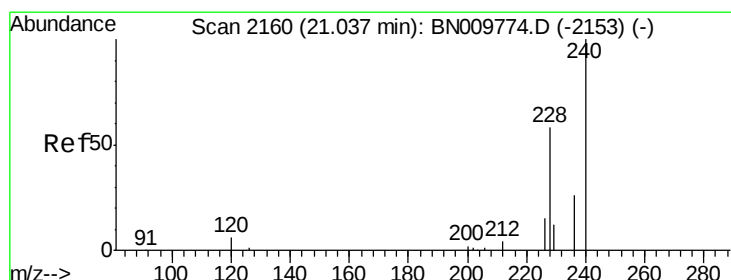
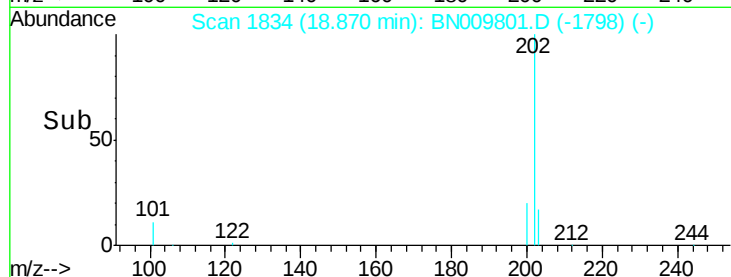
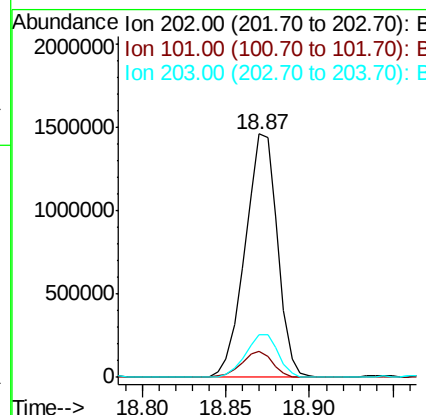
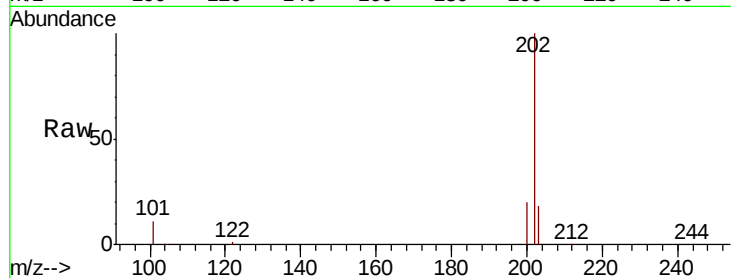
TP7-EP2-2

Tot Ion:202 Resp: 1970412

Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.1	10.7
203	17.8	13.8	20.6

Manual Integrations
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#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.02 min Scan# 2158

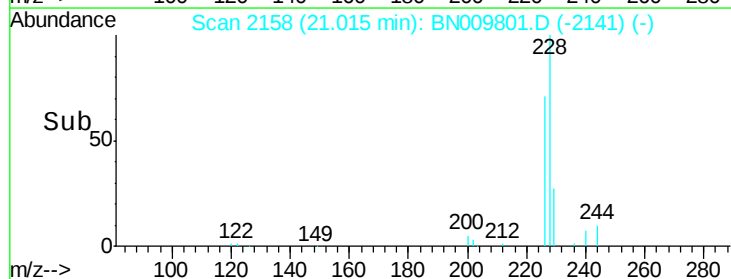
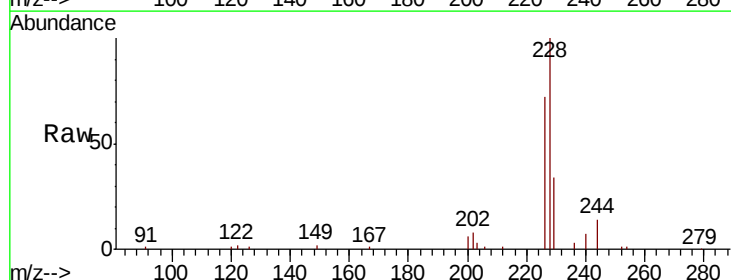
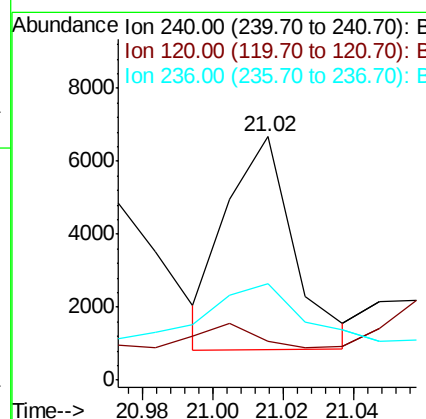
Delta R.T. -0.02 min

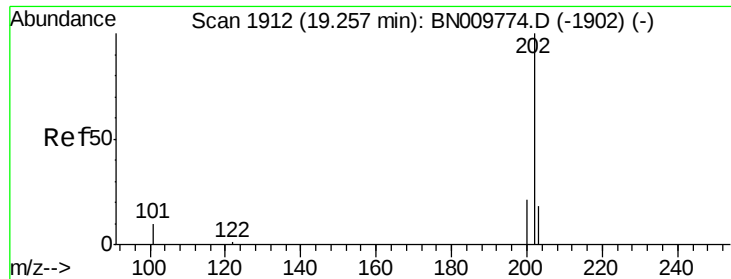
Lab File: BN009801.D

Acq: 21 Feb 2020 04:33

Tgt Ion:240 Resp: 7764

Ion	Ratio	Lower	Upper
240	100		
120	15.9	7.9	11.9#
236	39.7	22.0	33.0#





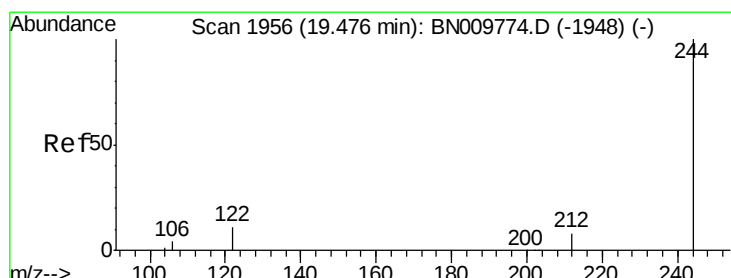
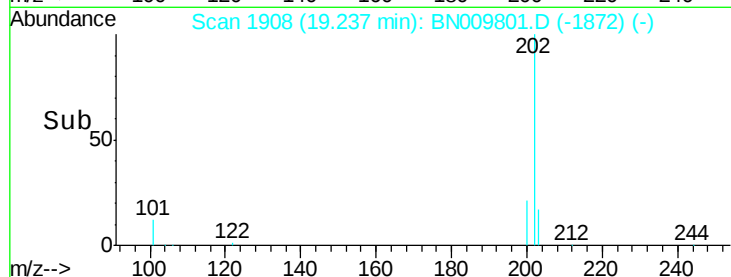
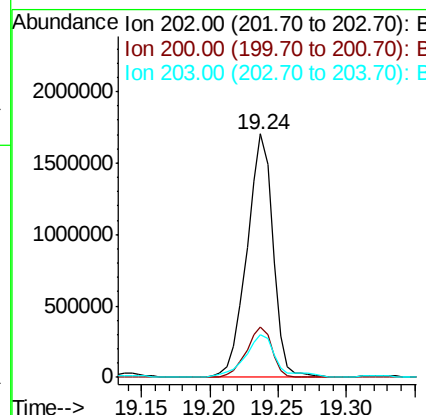
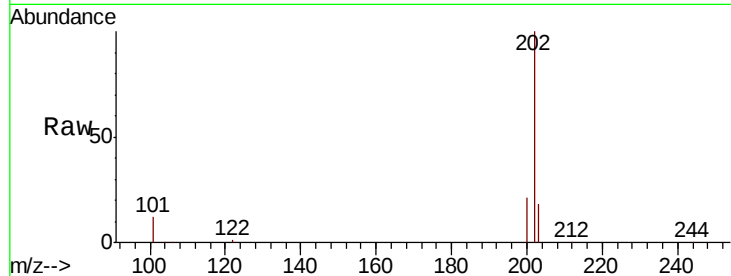
#28
Pvrene
Concen: 76.284 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Instrument :
BNA_N
ClientSampleId :
TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	20.5	13.9	20.9

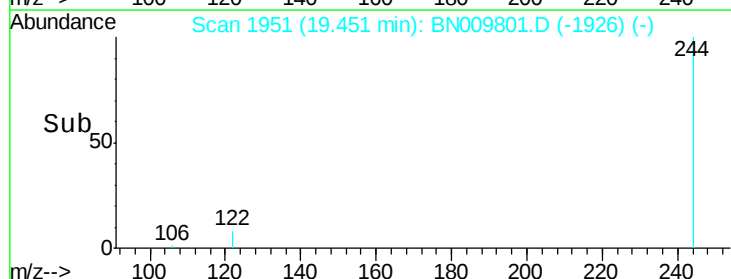
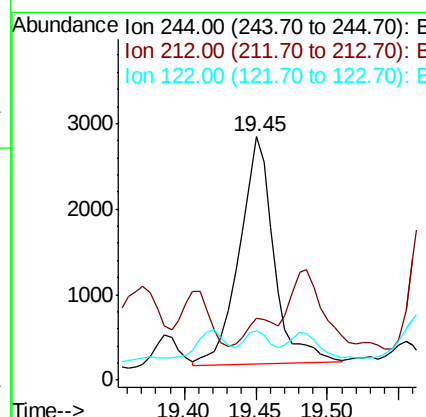
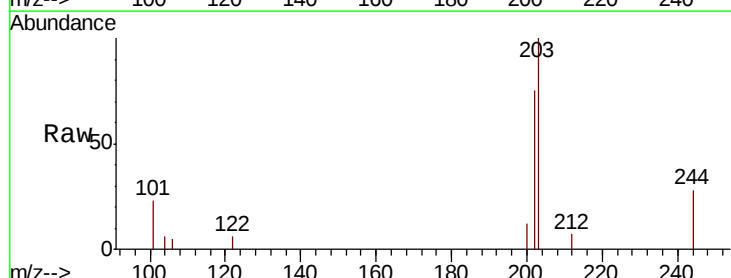
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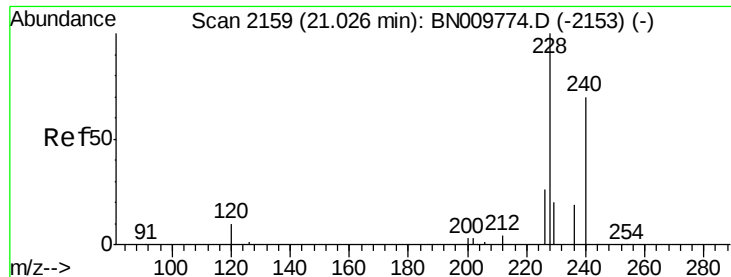
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#29
Terphenyl-d14
Concen: 0.241 ng
RT: 19.45 min Scan# 1951
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	25.7	8.0	12.0#
122	20.2	10.0	15.0#





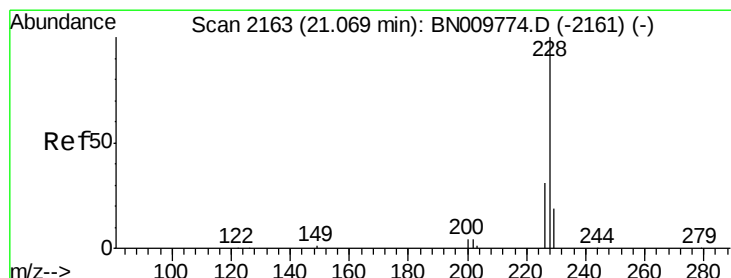
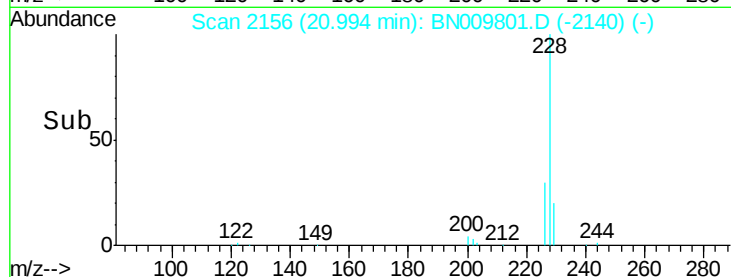
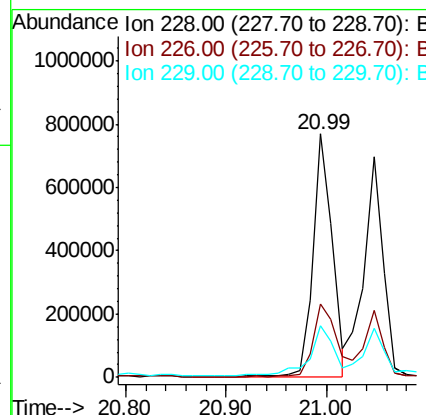
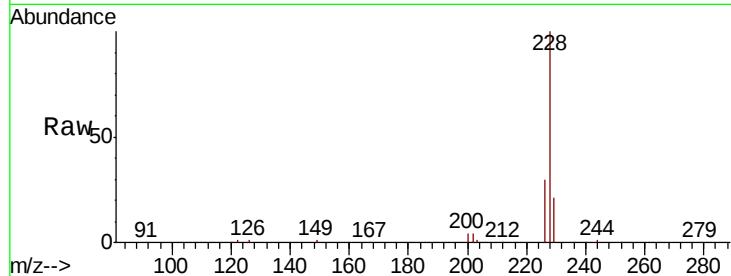
#30
Benzo(a)anthracene
Concen: 40.171 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.03 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Instrument :
BNA_N
ClientSampleId :
TP7-EP2-2

Tot Ion:228 Resp: 1035007
Ion Ratio Lower Upper
228 100
226 30.1 21.8 32.8
229 21.0 17.1 25.7

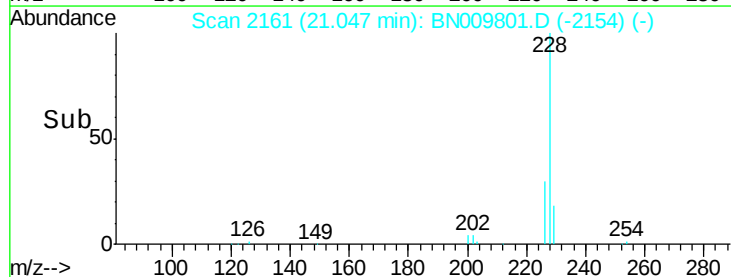
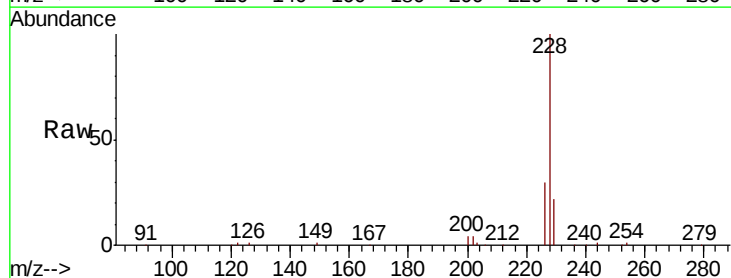
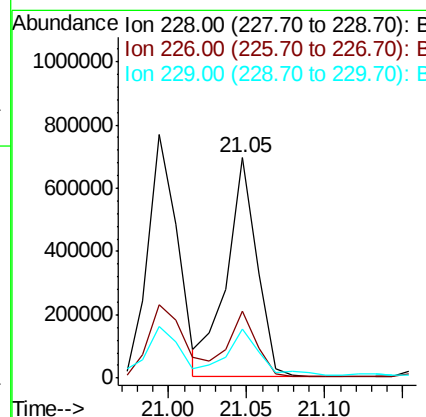
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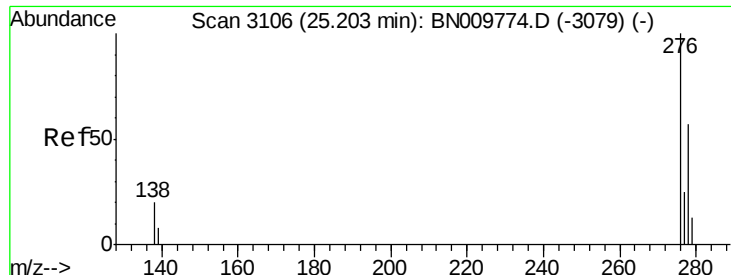
mohammad
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#31
Chrysene
Concen: 31.290 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tgt Ion:228 Resp: 932693
Ion Ratio Lower Upper
228 100
226 30.2 24.8 37.2
229 22.2 16.4 24.6





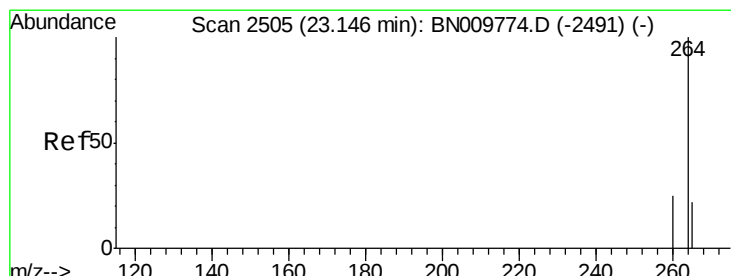
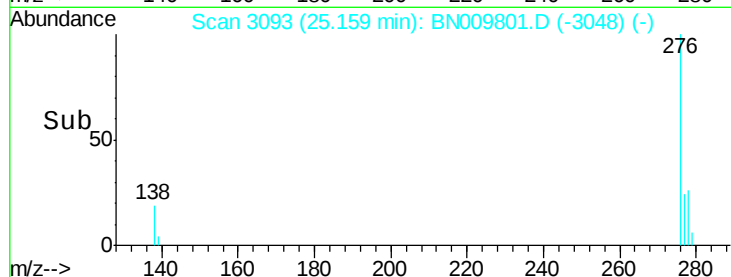
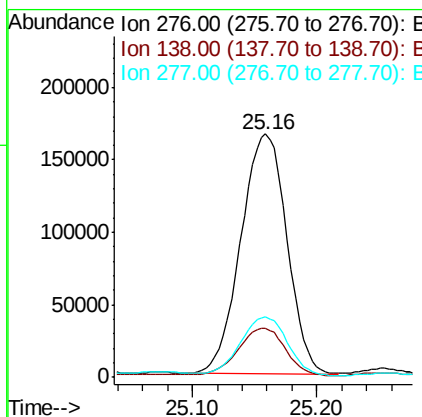
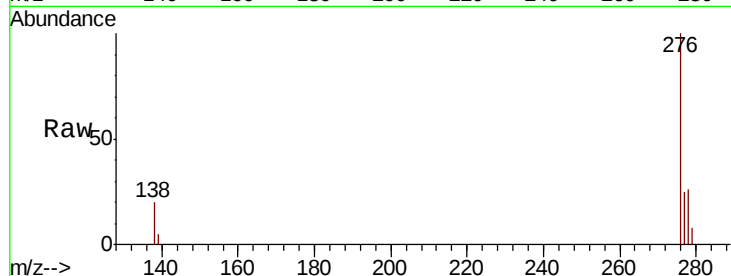
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 13.673 ng
 RT: 25.16 min Scan# 3093
 Delta R.T. -0.04 min
 Lab File: BN009801.D
 Acq: 21 Feb 2020 04:33

Instrument :
 BNA_N
 ClientSampleId :
 TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	15.8	23.6
277	24.8	19.3	28.9

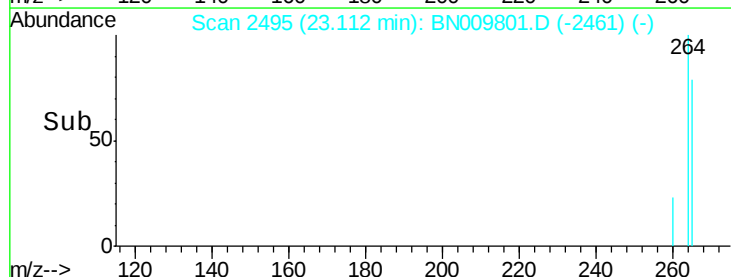
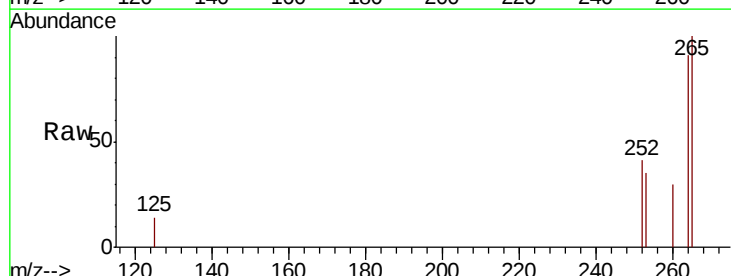
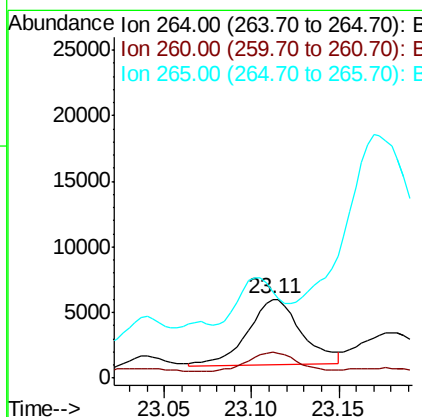
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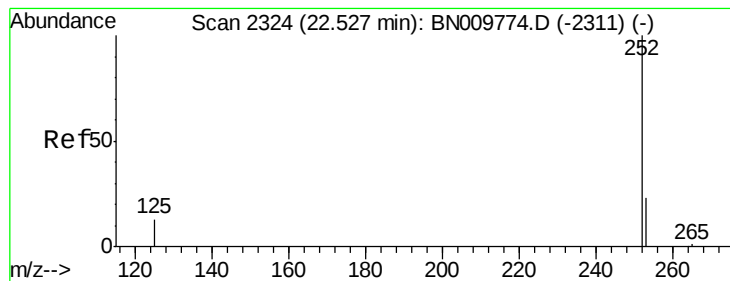
mohammad
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.11 min Scan# 2495
 Delta R.T. -0.03 min
 Lab File: BN009801.D
 Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	32.4	21.1	31.7#
265	109.8	57.5	86.3#





#35

Benzo(b)fluoranthene

Concen: 22.562 ng

RT: 22.50 min Scan# 2317

Delta R.T. -0.02 min

Lab File: BN009801.D

Acq: 21 Feb 2020 04:33

Instrument :

BNA_N

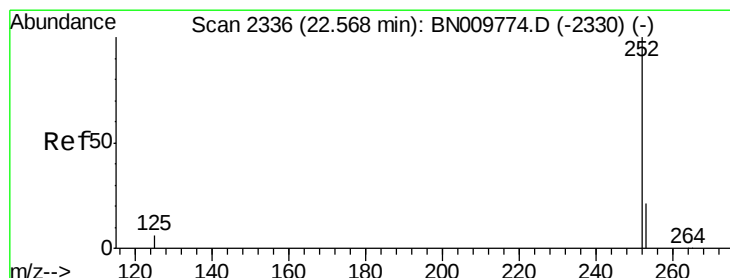
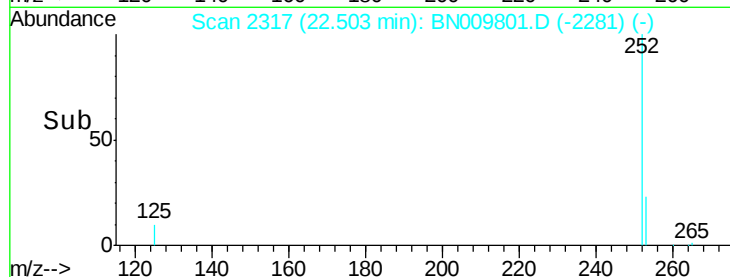
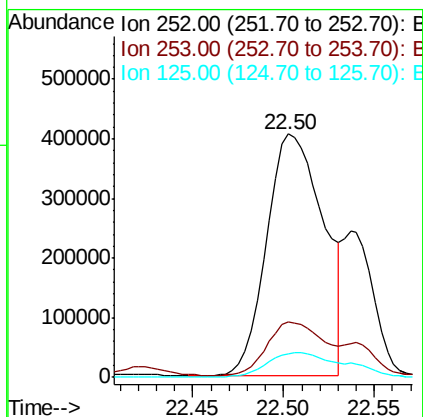
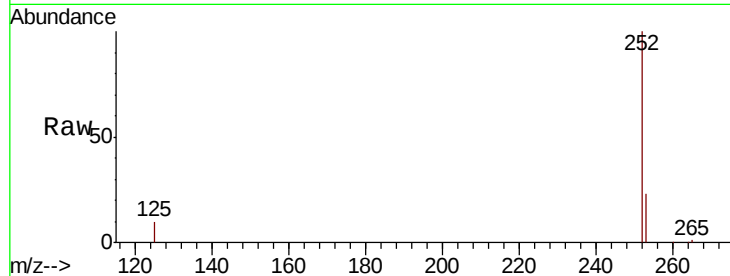
ClientSampled :

TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	23.0	34.6#
125	9.9	14.4	21.6#

Manual Integrations
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#36

Benzo(k)fluoranthene

Concen: 6.560 ng m

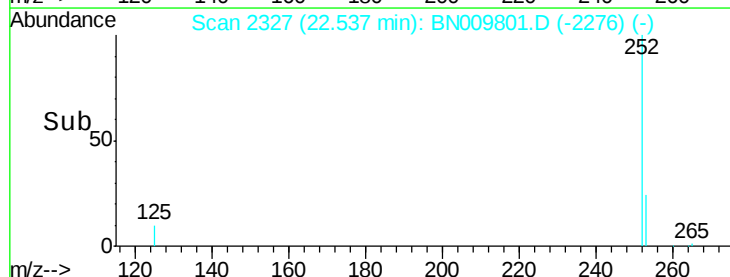
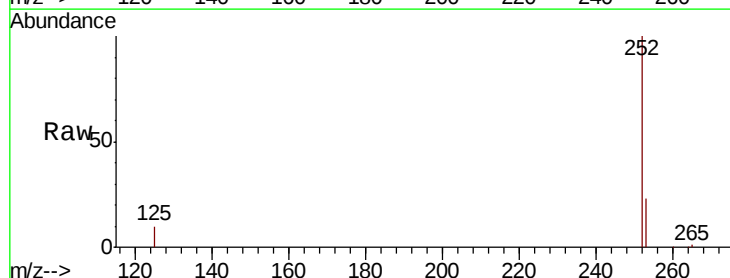
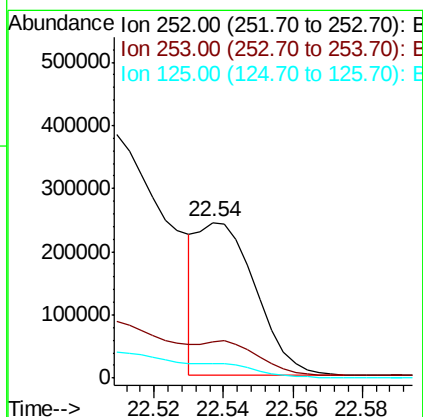
RT: 22.54 min Scan# 2327

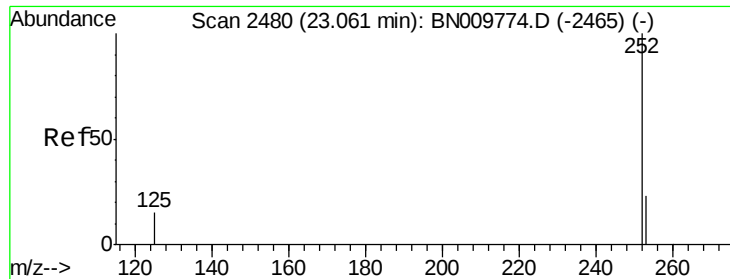
Delta R.T. -0.03 min

Lab File: BN009801.D

Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	22.2	33.2
125	9.5	10.5	15.7#





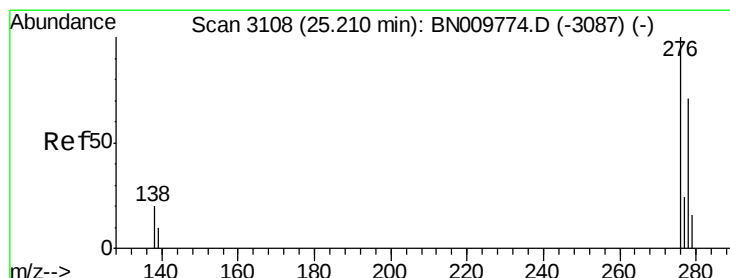
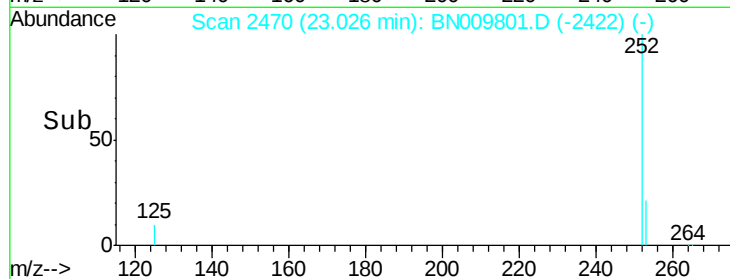
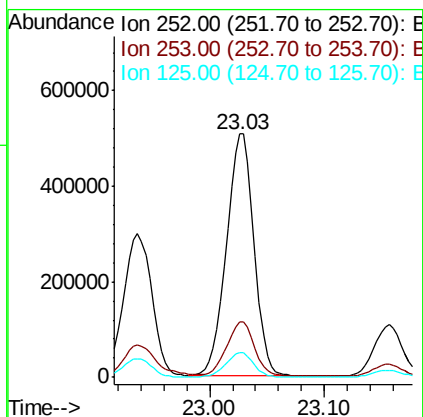
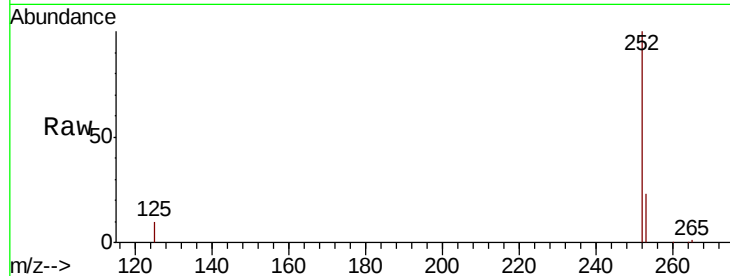
#37
Benzo(a)pyrene
Concen: 23.973 ng
RT: 23.03 min Scan# 2470
Delta R.T. -0.03 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Instrument :
BNA_N
ClientSampleId :
TP7-EP2-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	25.3	37.9#
125	10.2	17.7	26.5#

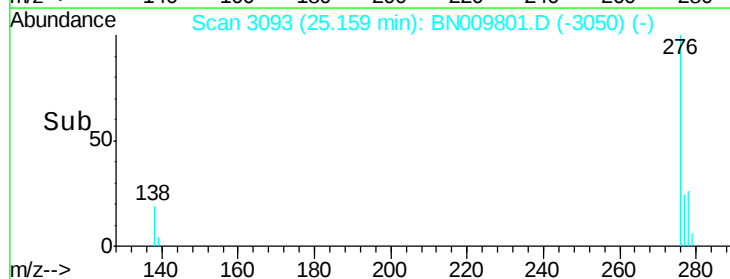
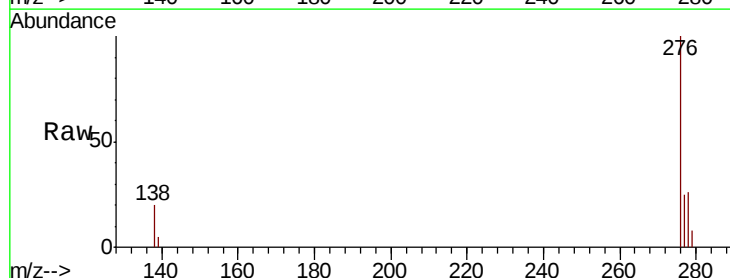
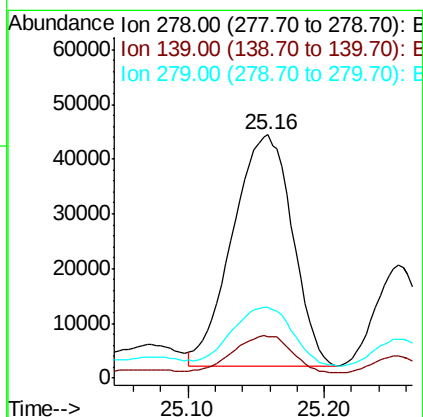
Manual Integrations
APPROVED

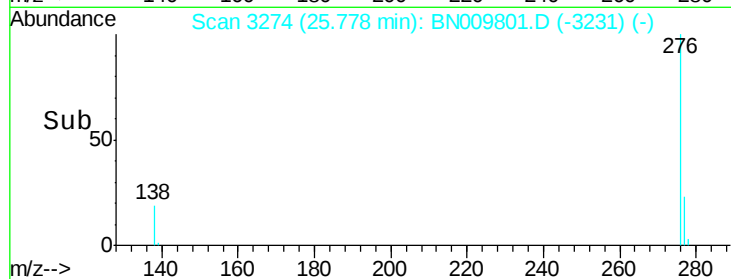
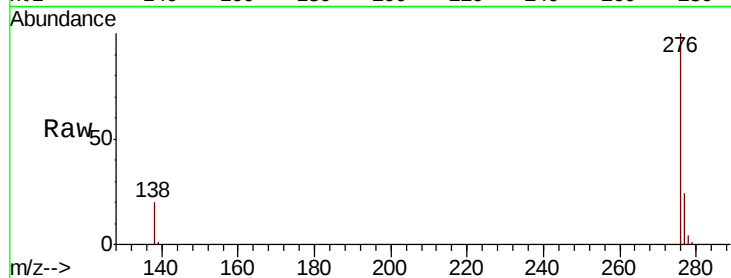
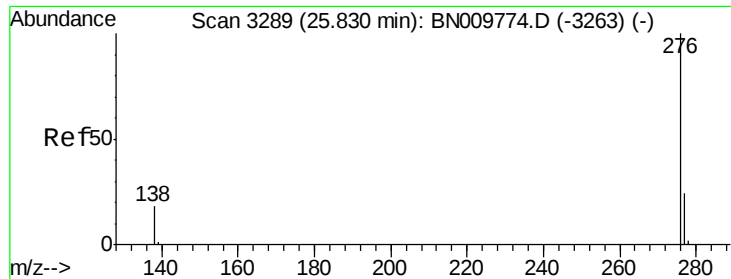
mohammad
2/21/2020 2:20:01 PM



#38
Dibenzo(a,h)anthracene
Concen: 3.653 ng
RT: 25.16 min Scan# 3093
Delta R.T. -0.05 min
Lab File: BN009801.D
Acq: 21 Feb 2020 04:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.5	21.7
279	28.8	24.3	36.5





#39

Benzo(a,h,i)perylene

Concen: 11.998 ng

RT: 25.78 min Scan# 3274

Delta R.T. -0.05 min

Lab File: BN009801.D

Acq: 21 Feb 2020 04:33

Instrument :

BNA_N

ClientSampleId :

TP7-EP2-2

Tot Ion:	276	Resp:	448903
Ion Ratio	Lower	Upper	
276	100		
277	24.0	21.4	32.0
138	19.7	16.6	24.8

Manual Integrations
APPROVED

mohammad
2/21/2020 2:20:01 PM

